

### **Listing of Claims:**

1. (Previously Presented) A wireless information signal transfer and interactive television system comprises:

at least a first communication system, operatively coupled to a television set, comprising a first RF transceiver unit and a first data processing unit for generating at least one information signal and for generating at least one display signal for display on the television set;

a wireless signal transfer network, operatively coupled to the at least a first communication system, for wirelessly transferring signals including the at least one information signal;

at least a second communication system operatively coupled to the wireless transfer network, comprising a second RF transceiver unit and a second data processing unit for receiving and processing the at least one information signal; and

a server, operatively coupled to the at least a second communication system, for receiving and processing the at least one information signal and providing data included in the information signal to a functional network, wherein the server retrieves return data from the functional network and provides the return data to the at least a second communication system, the at least a second communication system generating at least one return information signal and providing the at least one return information signal to the wireless signal transfer network, the wireless signal transfer network wirelessly transferring the at least one return information signal to the at least a first communication system, which generates the at least one display signal for display on the television set, wherein the at least one information signal and the at least one return information signal are independently transmitted from a television signal.

2. (Canceled)

3. (Previously Presented) The system of Claim 1, further comprising remote data entry and control means, wirelessly coupled to the first data processing unit, for permitting a system user to control display of display signals on the television set and enter data corresponding to the display of the display signals.

4. (Original) The system of Claim 3, wherein the remote data entry and control means comprises an alphanumeric keyboard portion.

5. (Previously Presented) The system of Claim 4, wherein the alphanumeric keyboard portion is in infrared communication with the first data processing unit.

6. (Original) The system of Claim 3, wherein the remote data entry and control means comprises a speaker phone portion.

7. (Previously Presented) The system of Claim 6, wherein the speaker phone portion is in RF communication with the first data processing unit.

8. (Original) The system of Claim 1, wherein the wireless signal transfer network is a satellite network.

9. (Previously Presented) The system of Claim 8, wherein the satellite network includes at least one satellite for transferring signals between the first and second RF transceiver units.

10. (Original) The system of Claim 1, wherein the functional network is a wide area information network.

11. (Original) The system of Claim 10, wherein the wide area network includes a mail server.

12. (Original) The system of Claim 1, wherein the functional network is a paging network.

13. (Original) The system of Claim 12, wherein the paging network includes a paging server.

14. (Original) The system of Claim 12, wherein the paging network includes a plurality of pagers.

15. (Original) The system of Claim 1, wherein the functional network is an emergency response network.

16. (Original) The system of Claim 15, wherein the emergency response network includes a server.

17. (Previously Presented) The system of Claim 1, wherein the first data processing unit comprises indication means for indicating that the at least one return information signal has been received.

18. (Original) The system of Claim 17, wherein the indicating means is an LED.

19. (Previously Presented) The system of Claim 1, wherein the at least one display signal generated by the first data processing unit includes data to generate at least one menu-driven window on the television set.

20. (Original) The system of Claim 19, wherein the at least one menu-driven window includes displayable information relating to e-mail messages.

21. (Previously Presented) The system of Claim 20, wherein the first data processing unit generates a message string to be included as part of the at least one information signal containing information entered by the user in the e-mail window.

22. (Previously Presented) The system of Claim 21, wherein the functional network is a wide area network having a mail server and further wherein the server coupled to the at least a second communication system provides the message string to the mail server.

23. (Original) The system of Claim 19, wherein the at least one menu-driven window includes displayable information relating to paging messages.

24. (Previously Presented) The system of Claim 23, wherein the at least a first communication system generates a message string to be included as part of the at least one information signal containing information entered by the user in the paging window.

25. (Previously Presented) The system of Claim 24, wherein the functional network is a paging network having a paging server and further wherein the server coupled to the at least a second communication system provides the message string to the paging server.

26. (Original) The system of Claim 19, wherein the at least one menu-driven window includes displayable information relating to financial market transactions.

27. (Previously Presented) The system of Claim 26, wherein the first data processing unit generates a message string to be included as part of the at least one information signal containing information entered by the user in the financial transaction window.

28. (Previously Presented) The system of Claim 27, wherein the functional network is a wide area network and further wherein the server coupled to the at least a second communication system unit provides the message string to the wide area network.

29. (Original) The system of Claim 19, wherein the at least one menu-driven window includes displayable information relating to emergency messages.

30. (Previously Presented) The system of Claim 29, wherein the first data processing unit generates a message string to be included as part of the at least one information signal containing information entered by the user in the emergency message window.

31. (Previously Presented) The system of Claim 30, wherein the functional network is an emergency response network having an emergency response server and further wherein the

server coupled to the at least a second communication system provides the message string to the emergency response server.

32. (Canceled)

33. (Previously Presented) The system of Claim 1, wherein the first data processing unit comprises:

processing means;

input controlling means, operatively coupled to the processing means and the remote data entry and control means, for receiving data and control information from the remote data and control means and providing said information to the processing means; and

display signal generating means, operatively coupled to the processing means, for generating the at least one display signal for display on the television set, in response to the at least one return information signal received by the processing means and the data and control information from the remote data and control means.

34. (Previously Presented) The system of Claim 33, wherein the at least one display signal generated by the display signal generating means is a digital signal and wherein the first data processing unit further comprises digital-to-analog conversion means, operatively coupled to the display signal generating means, for converting the digital display signal to analog form for display on the television set.

35. (Previously Presented) The system of Claim 34, wherein the first data processing unit further comprises a signal combiner, operatively coupled between the digital-to-analog conversion means and the television set, for combining the analog display signal with at least another analog signal received from the wireless signal transfer network and providing the combined signals to the television set.

36. (Previously Presented) A wireless information signal transfer and interactive television system comprises:

- a first communication system, operatively coupled to a television set, comprising a first RF transceiver unit and a first data processing unit for generating at least one information signal and for generating and displaying at least one display signal superimposed on a conventional television signal on the television set;

- a remote keyboard device, wirelessly coupled to the first data processing unit, for permitting a system user to control display of the at least one display signal on the television set and enter data corresponding to the display of the at least one display signal;

- a satellite network, operatively coupled to the first RF transceiver unit, for wirelessly transferring signals including the at least one information signal;

- a second communication system, operatively coupled to the satellite network, comprising a second RF transceiver unit and a second data processing unit for receiving and processing the at least one information signal; and

- a server, operatively coupled to the second communication system, for processing the at least one information signal and providing data included in the information signal to a network;

- wherein the server retrieves return data from the network and provides the return data to the second communication system, the second communication system generating at least one return information signal and providing the at least one return information signal to the satellite network, the satellite network wirelessly transferring the at least one return information signal to the first communication system, which generates and displays the at least one display signal superimposed on a conventional television signal on the television set, wherein the at least one information signal and the at least one return information signal are independently transmitted from a television signal.

37. (Previously Presented) The system of Claim 36, wherein the satellite network includes at least one satellite for transferring signals between the first and second RF transceiver units.

38. (Original) The system of Claim 36, wherein the network coupled to the server is a wide area information network.

39. (Original) The system of Claim 38, wherein the wide area information network is the Internet.

40. (Original) The system of Claim 36, wherein the network coupled to the server is a paging network.

41. (Original) The system of Claim 36, wherein the network is an emergency response network..

42. (Previously Presented) The system of Claim 36, wherein the first data processing unit comprises indication means for indicating that the at least one return information signal has been received.

43. (Original) The system of Claim 42, wherein the indication means is an LED.

44. (Previously Presented) The system of Claim 36, wherein the at least one display signal generated by the first data processing unit includes data to generate at least one menu-driven window on the television set.